

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
17 June 2004 (17.06.2004)

PCT

(10) International Publication Number
WO 2004/049969 A2

(51) International Patent Classification⁷: **A61F**
(21) International Application Number:
PCT/US2003/037887
(22) International Filing Date:
24 November 2003 (24.11.2003)
(25) Filing Language: English
(26) Publication Language: English
(30) Priority Data:
10/306,961 29 November 2002 (29.11.2002) US
(71) Applicant and
(72) Inventor: GABRIEL, Michael, Lynn [US/US]; 30
SOUTH EL CAMINO REAL, #104, SAN MATEO, CA
94401 (US).
(74) Agent: MAXHAM, Lawrence, A.; THE MAXHAM
FIRM, 750 B STREET, SUITE 3100, SAN DIEGO, CA
92101 (US).

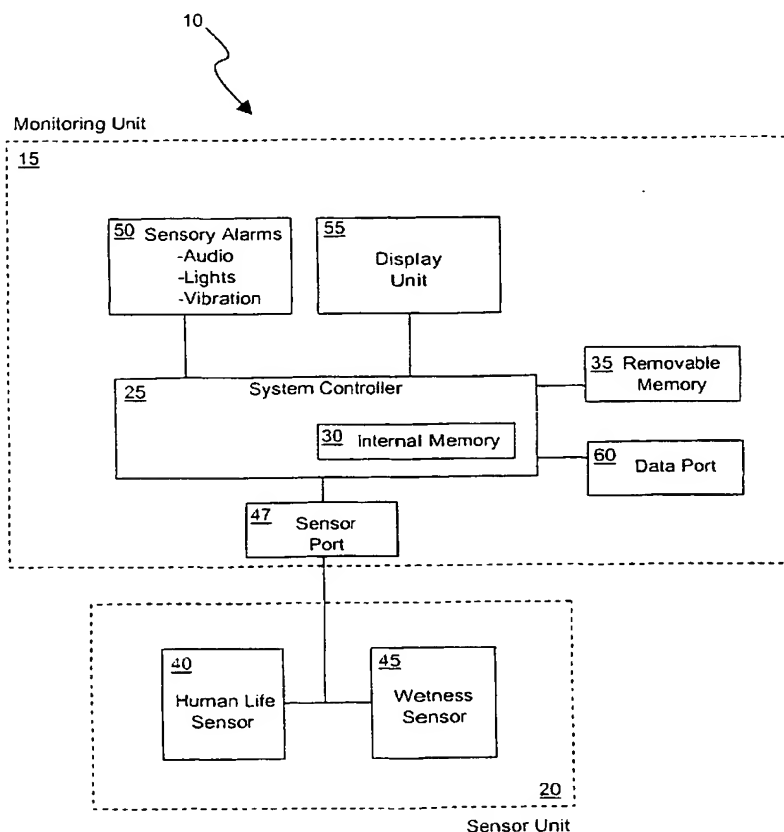
(81) Designated States (*national*): AE, AG, AL, AM, AT, AU,
AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR,
CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD,
GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR,
KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN,
MW, MX, MZ, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU,
SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA,
UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.

(84) Designated States (*regional*): ARIPO patent (BW, GH,
GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW),
Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European patent (AT, BE, BG, CH, CY, CZ, DE, DK, EE,
ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE,
SI, SK, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

Published:
— without international search report and to be republished
upon receipt of that report

[Continued on next page]

(54) Title: WETNESS MONITORING SYSTEM



(57) Abstract: A personal care monitoring system (10) is disclosed. In accordance with one embodiment, the monitoring system may include a wetness sensor (45) configured to detect a wetness event occurring within an associated diaper (80), and a human life sensor (40) configured to detect presence of human life relative to the associated diaper. A monitoring unit (15) having a system controller (25) in communication with the wetness and human life sensors may be utilized in such a manner that the system controller monitors the wetness and human life sensors and generates data associated with detected wetness events and presence of human life relative to the associated diaper.

WO 2004/049969 A2



For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.